

**B32B 5/26**

**B32B 5/02**

**B32B 5/06**

**B32B 5/28**

**// D06N 5/00**

**Anmeldenummer: 1993 225142**

**Anmeldedatum: 17.8.1993**

**Publikationsdatum: 28.2.1995**

**Prioritäten:**

<b>Land</b>	<b>Datum</b>	<b>Nummer</b>	<b>Art</b>
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**Erfinder: NOZU TAKASHI**

**Anmelder: UNITIKA LTD**

**Titel: LAMINATED SHEET FOR ASPHALT ROOFING**

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**Zusammenfassung**

**PURPOSE:** To provide a laminated sheet for asphalt roofing having high strength, high elastic modulus and high dimensional stability.

**CONSTITUTION:** A laminated sheet for asphalt roofing comprises an intermediate layer in which fiber made of glass fiber, polyvinyl alcohol fiber, polyester fiber and having a tensile strength of 5g/d or more and 2g/d or more of a stress at the time of 3% orientation, a dry thermal shrinkage factor at 180°C for 10min of 0.5% or less exists in one direction or in the direction and a direction crossing with it, and nonwoven fabrics laminated on both front and rear surfaces of the layer and integrated by needle punching, and heat treated.

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